

B1
and

a moveable stage apparatus including a transport mechanism and a stage configured to support the sample within the interior cavity, said stage being coupled to the transport mechanism for movement of the sample to one of a plurality of positions in said interior cavity, said transport mechanism and said light transmission device are configured to cooperatively direct light reflected or emitted from said sample to said fixed datum to capture said image by said camera.

B2

4. (Once Amended) The system of claim 3 wherein the light transmission device is configured to rotate about an axis co-axially aligned with the fixed axis.

B3

33. (Once Amended) A stage apparatus for use with an imaging system for capturing an image of a sample with a camera, the imaging system including an imaging box having a set of walls defining an interior cavity, and a camera mounted relative to a fixed datum on one of said walls, said stage apparatus comprising:

a light transmission device configured to rotate about the fixed datum; and

a transport mechanism; and

a stage configured to support the sample within the interior cavity, said stage being coupled to the transport mechanism for movement of the sample to one of a plurality of positions in said interior cavity,

wherein said transport mechanism and said light transmission device are configured to cooperatively direct light reflected or emitted from said sample on the stage to said fixed datum to capture said image by said camera.

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35. (Once Amended) The system of claim 34 wherein the light transmission device is configured to rotate about an axis co-axially aligned with the fixed datum.
